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9/13/94

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

EPA Region 5 Records Ctr.



REPLY TO THE ATTENTION OF

MAY 13 1994

HSE3-5J

VIA FACSIMILE AND HAND-DELIVERY

Mr. Richard Berggreen
STS Consultants, Ltd.
111 Pfingsten Road
Northbrook, Illinois 60062

RE: Work Plan for the Lindsay Light II Site, Chicago, Illinois

Dear Mr. Berggreen:

Your revised work plan has been reviewed and is considered approved as of May 13, 1994, if you incorporate all the changes listed below. These changes are as follows:

Work Plan

- 1) On Page 3, paragraph 1, the Work Plan states that you will use calibrated soils to determine casing sensitivity. During our meeting on April 23, 1994, you mentioned two scenarios for developing these calibration soils, please clearly state the scenario you will follow, i.e, West Chicago soils or spiked soils from a commercial laboratory.
- 2) On Page 4, paragraph 2, please state that "status meetings" are only for your client. We expect the monthly progress reports to be "status reports" and follow the format given on page 6, paragraph 14 of the Order.
- 3) On Page 4, paragraph 4, change the first sentence to "The USEPA and IDNS measured gamma radiation levels on portions of the site in June of 1993".
- 4) On Page 18, paragraph 1, explain the modifier, "significantly elevated" in terms of a number, e.g., ten times background radiation levels.
- 5) On Page 18, paragraph 3, add that a background sample will be analyzed for isotopic uranium and thorium, therefore, a total of four soil samples will be analyzed for isotopic uranium and thorium. Please make this change throughout the Work Plan.

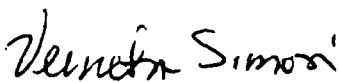
- 6) Delete Table 3-7, Sampling and Analysis Plan for Four Monitoring Wells.
- 7) Attachment C, Calibration Procedure for Cone Penetrometer Test (CPT) Truck Gamma Logger, procedure needs to be approved on page 1 of 3.
- 8) Attachment D, Gamma Logging Boreholes to Determine the Concentration of RA-226 and Other Gamma Emitting Radionuclides, again, sign and date procedure.
- 9) Appendix G, Operation of the Ludlum 2220, sign and date procedure.

Quality Assurance Plan

- 10) Bicron calibration sheets have been provided. However, the previous comment regarding the Bicron Micro-Rem has not been addressed. The previous comment discussed that Harshaw Bicron has had several complaints regarding their Bicron instrument. Instrument reading anomalies have been associated with higher variations in temperature. The Radiation Section has sent their Bicron Micro-Rem instrument to Harshaw Bicron and subsequently a electronic board was needed to be changed. The contact for Harshaw Bicron is Gary Wascovich at 1-800-472-5656.
- 11) Section 10.0, Page 1 of 1, assurances should be made that spikes will be analyzed as blind samples.
- 12) This section should clarify whether split samples will be analyzed by different laboratories.

If you have any questions regarding this correspondence, please contact me at (312) 886-3601.

Sincerely,



Verneta Simon
On-Scene Coordinator